**FIG 1**

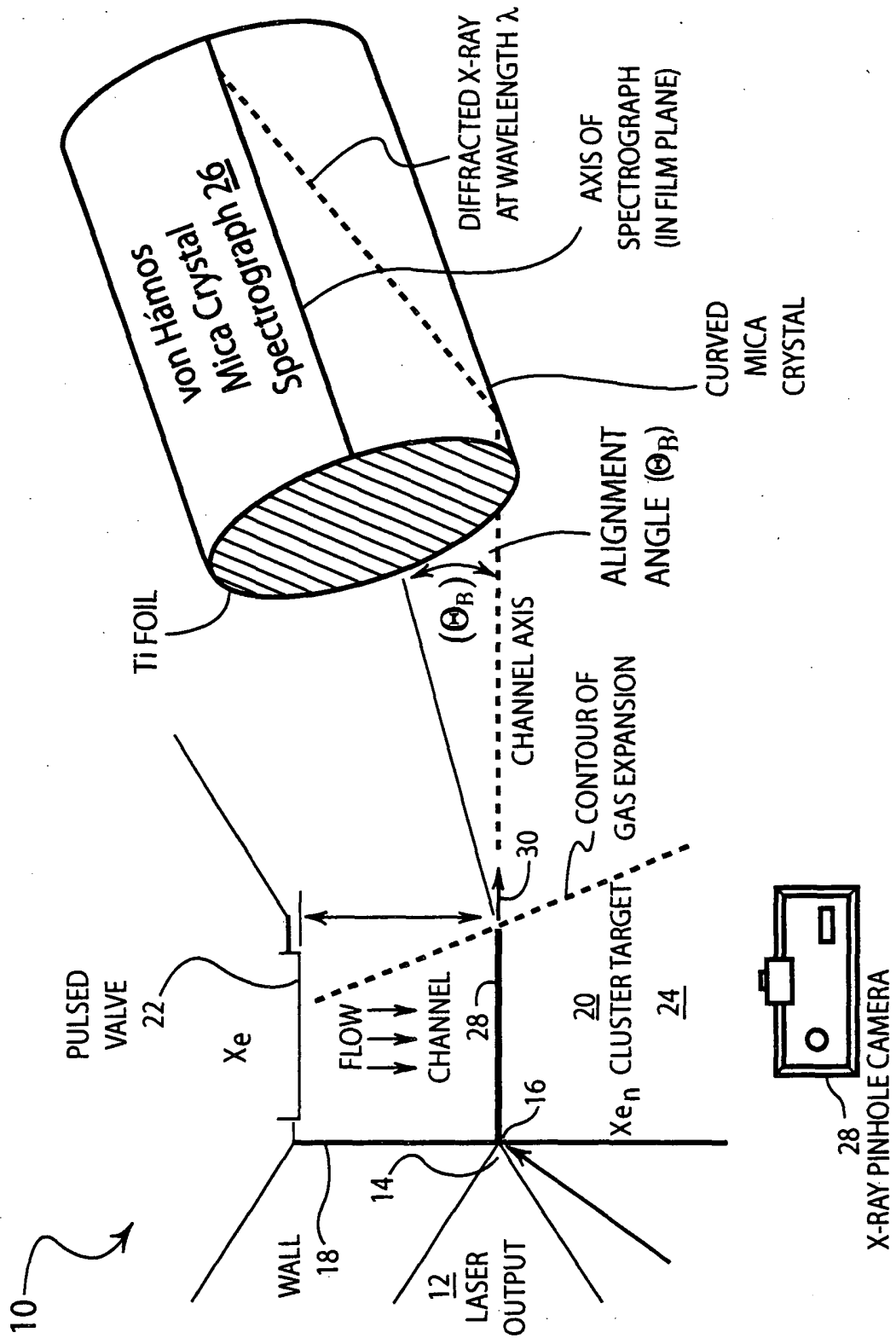


FIG 2

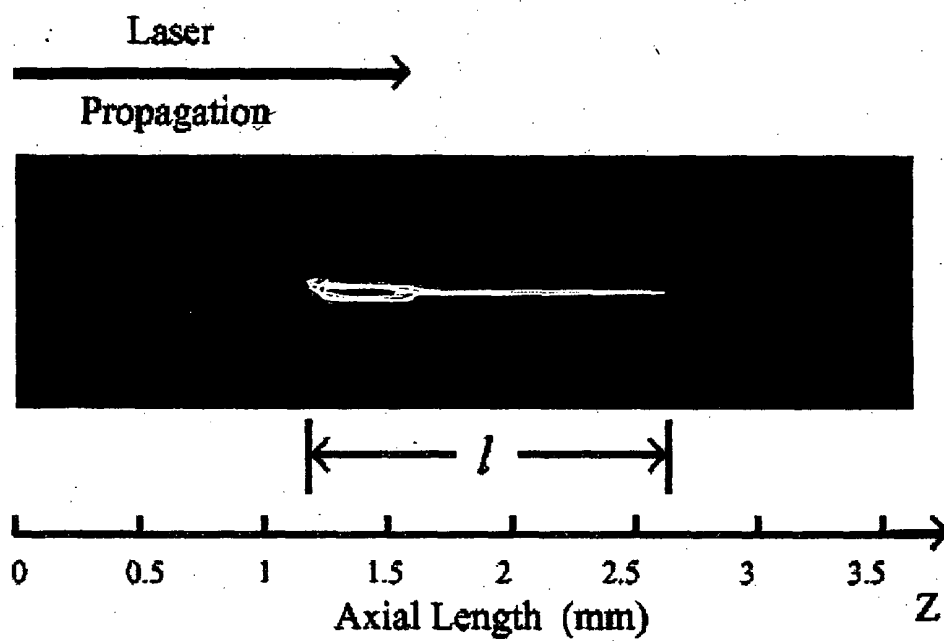
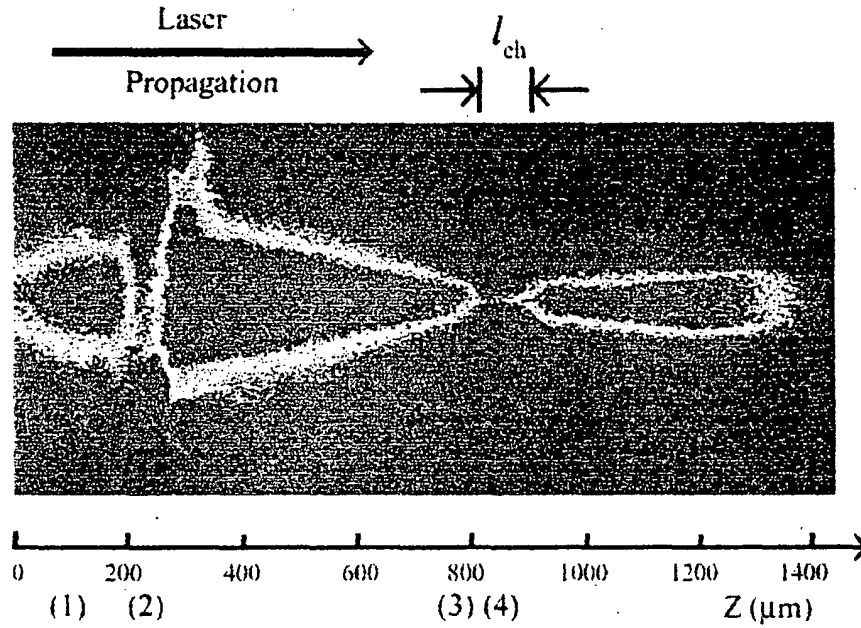
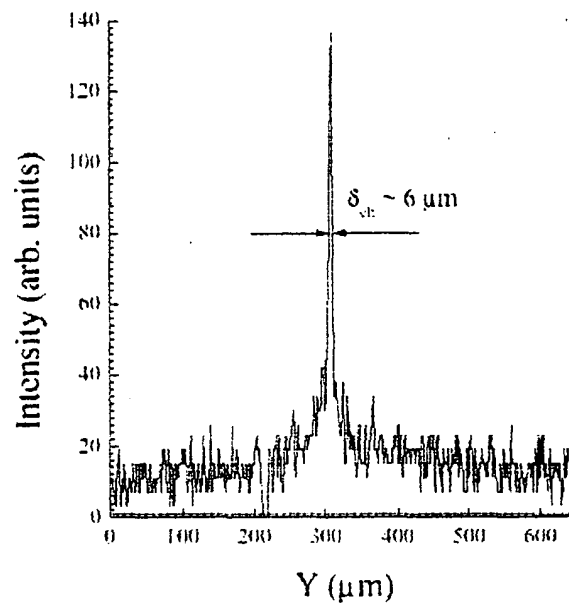


FIG 3

**FIG 4A****FIG 4B**

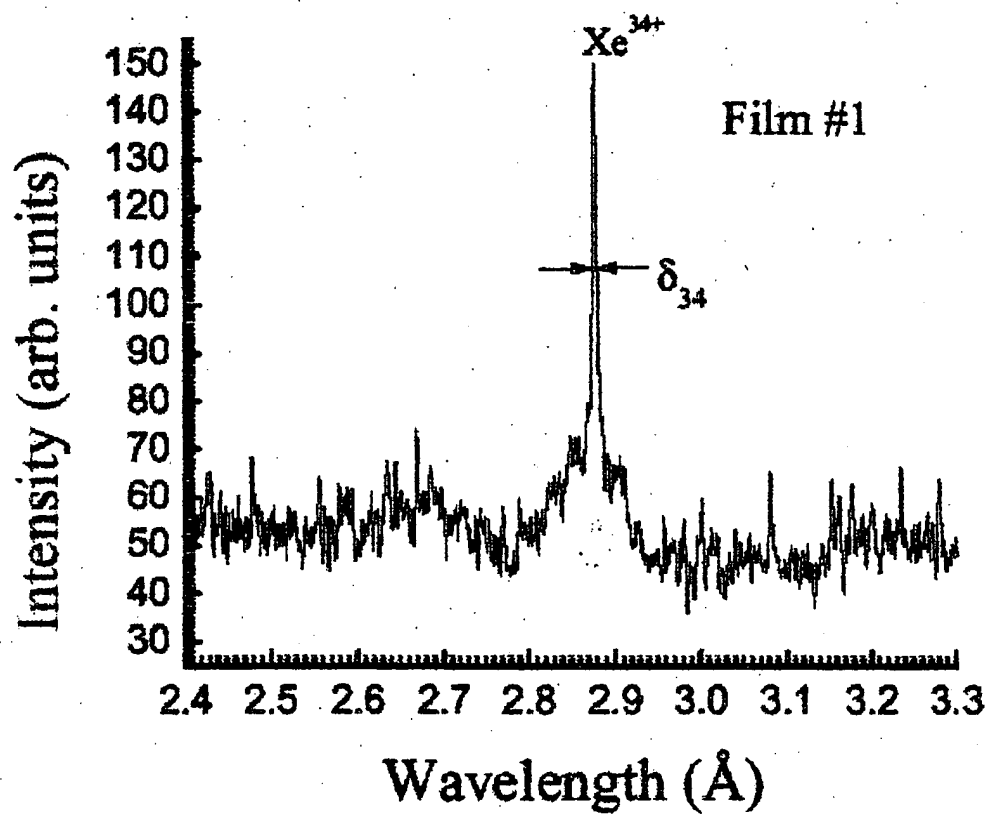


FIG 5A

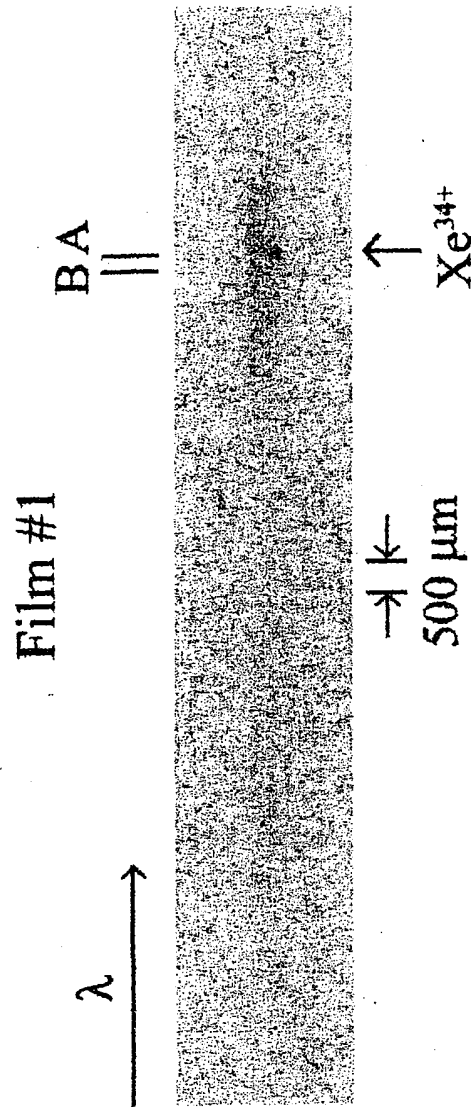


FIG 5B

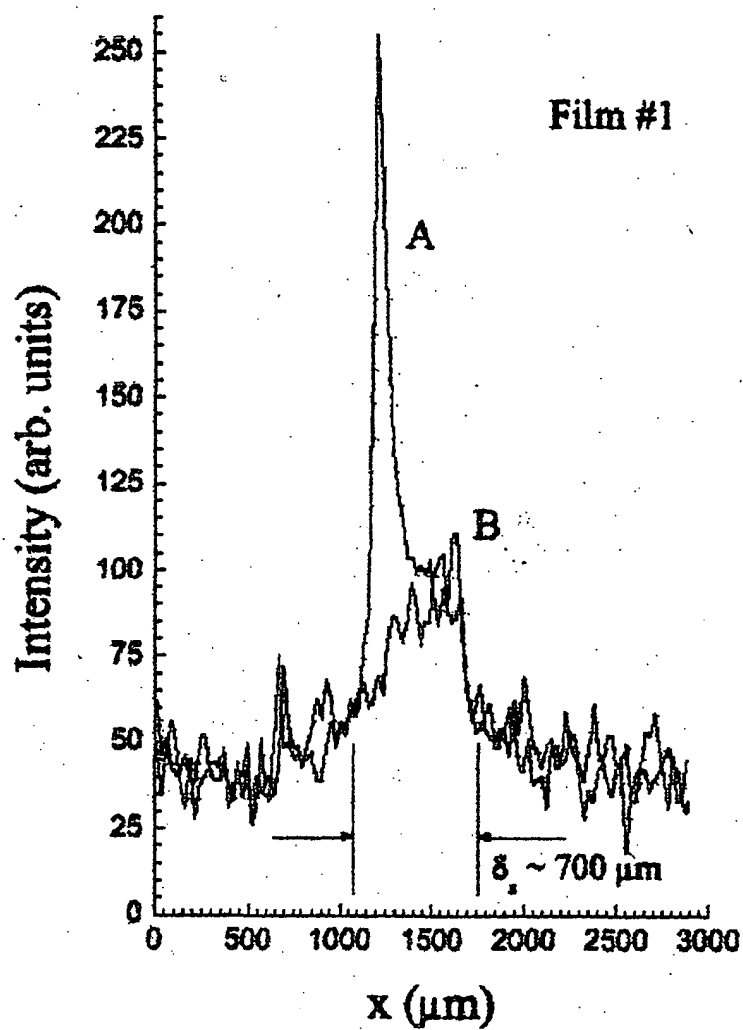


FIG 5C

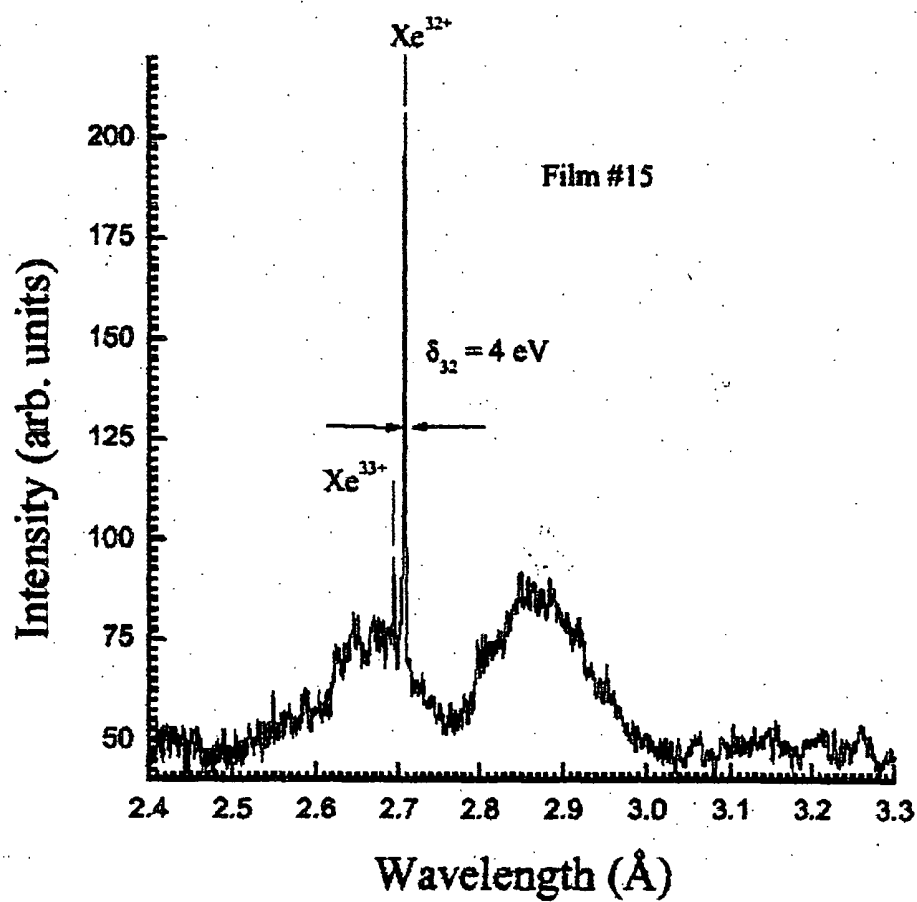


FIG 6A

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Title: " Ultrabright Tunable Coherent Multikilovolt X-Ray Source" Inventors: Charles K. Rhodes & Keith Boyer
Docket Number: UIC.02USU1 Attorney: Samuel M. Freund, Registration Number: 30,459 Phone: 970.377.6363

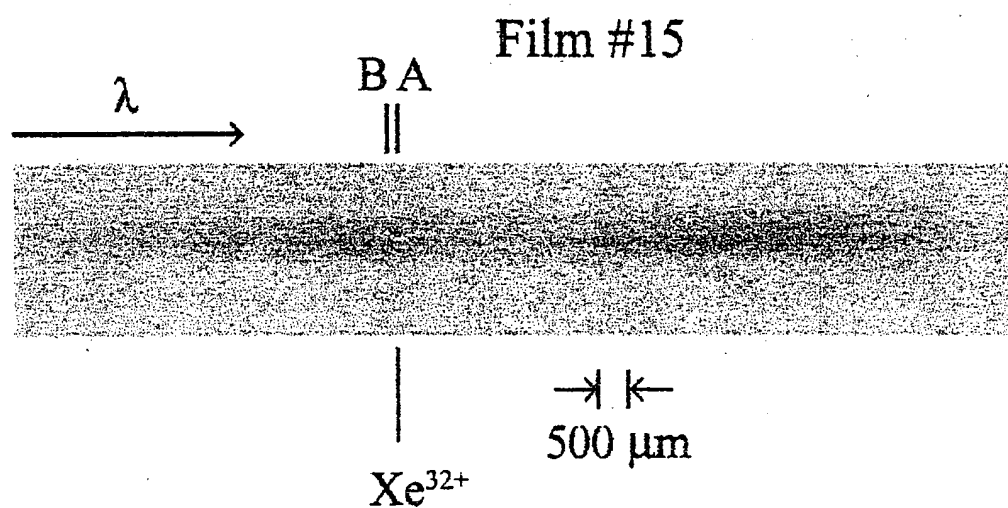


FIG 6B

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Title: "Ultrabright Tunable Coherent Multikilovolt X-Ray Source" Inventors: Charles K. Rhodes & Keith Boyer
Docket Number: UIC.02USU1 Attorney: Samuel M. Freund, Registration Number: 30,459 Phone: 970.377.6363

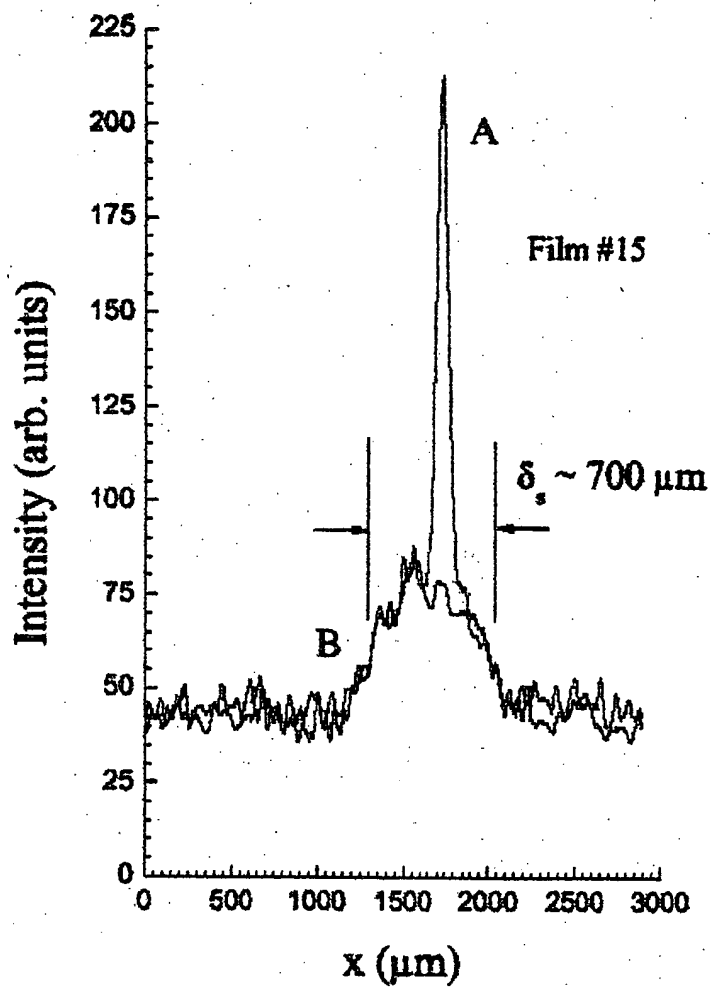
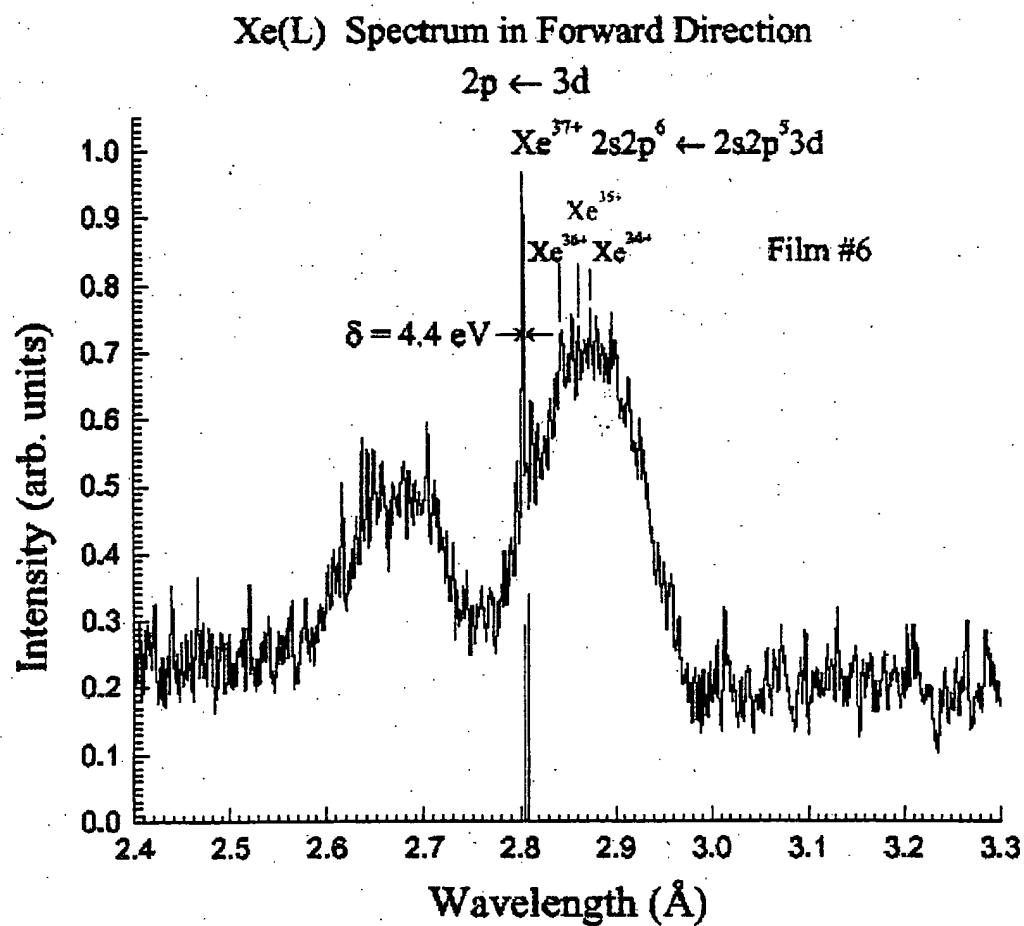


FIG 6C

**FIG 7**

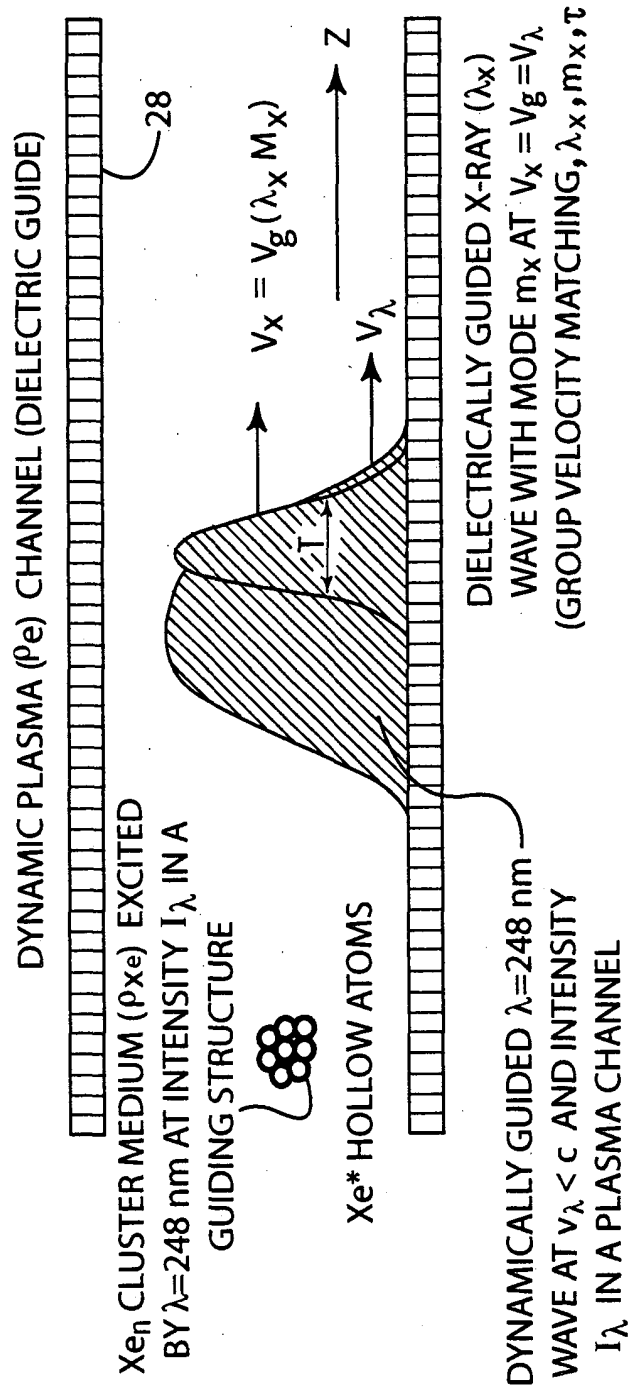


FIG 8A

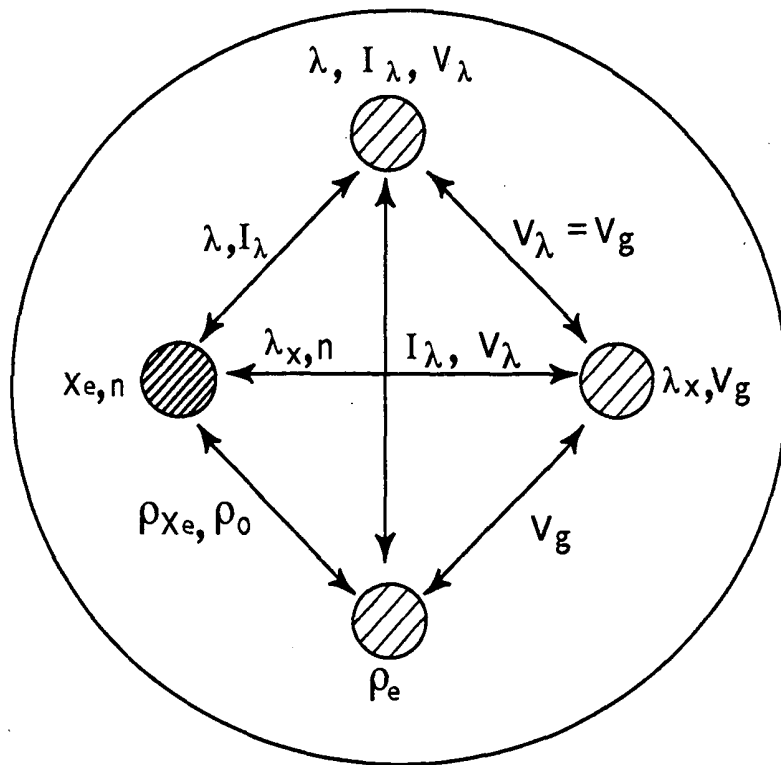


FIG 8B

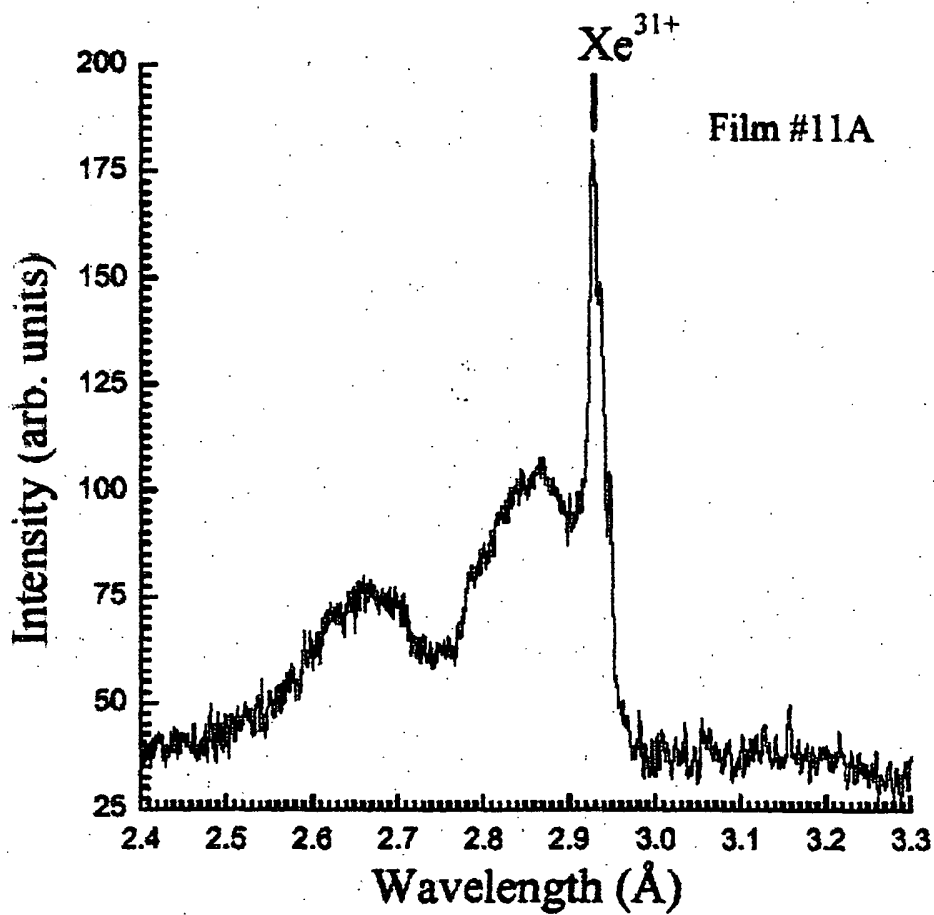


FIG 9A

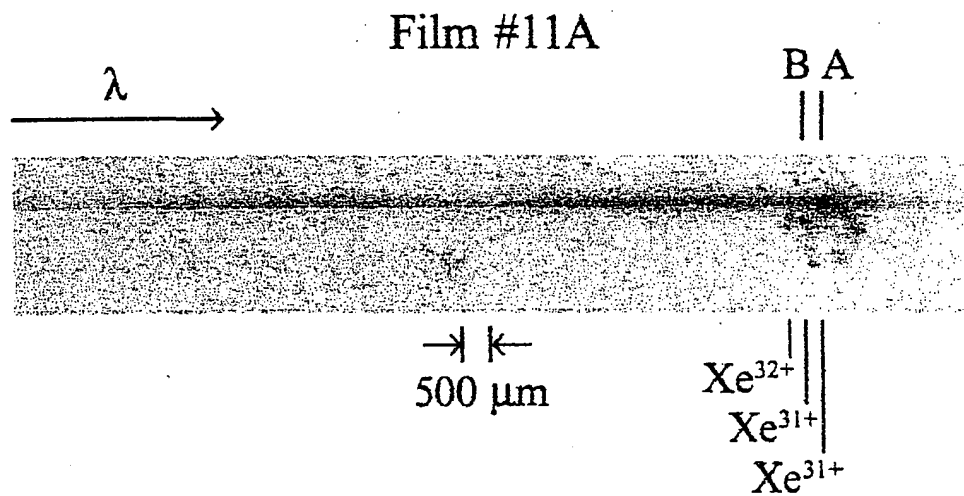
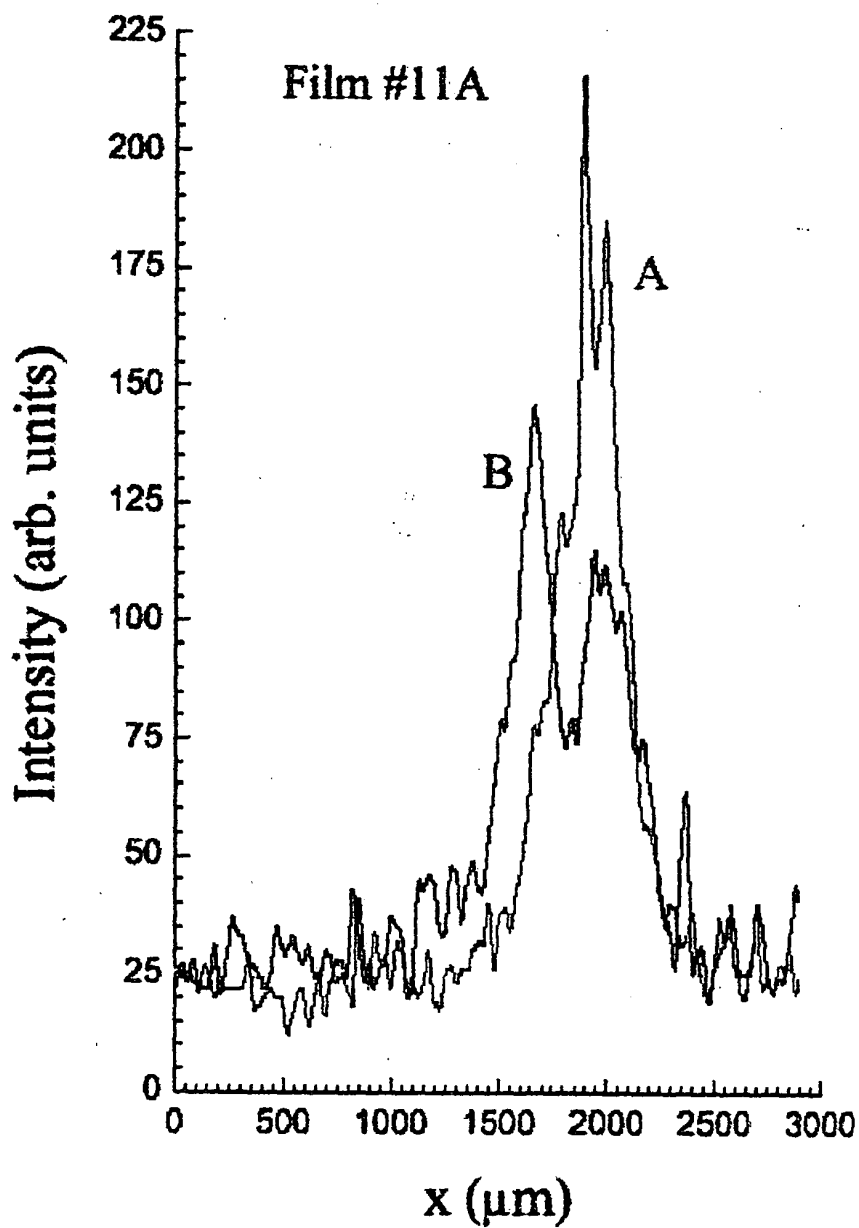
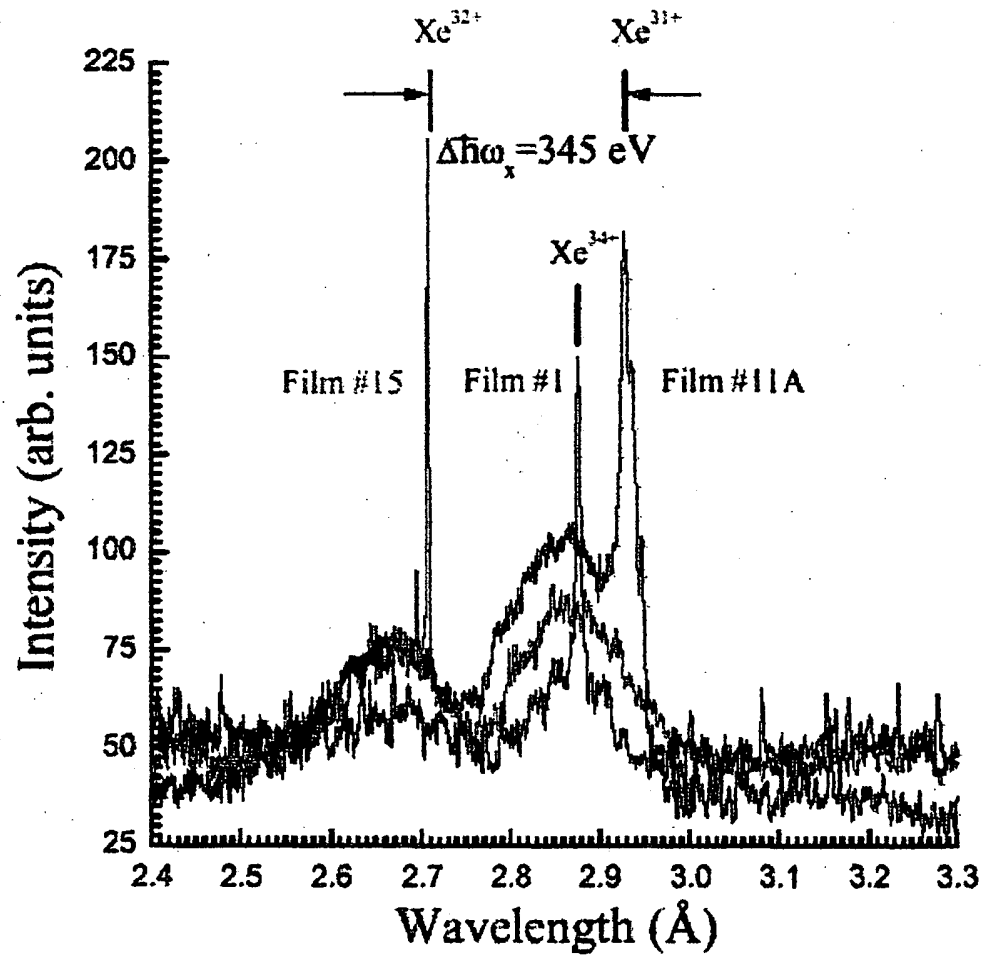
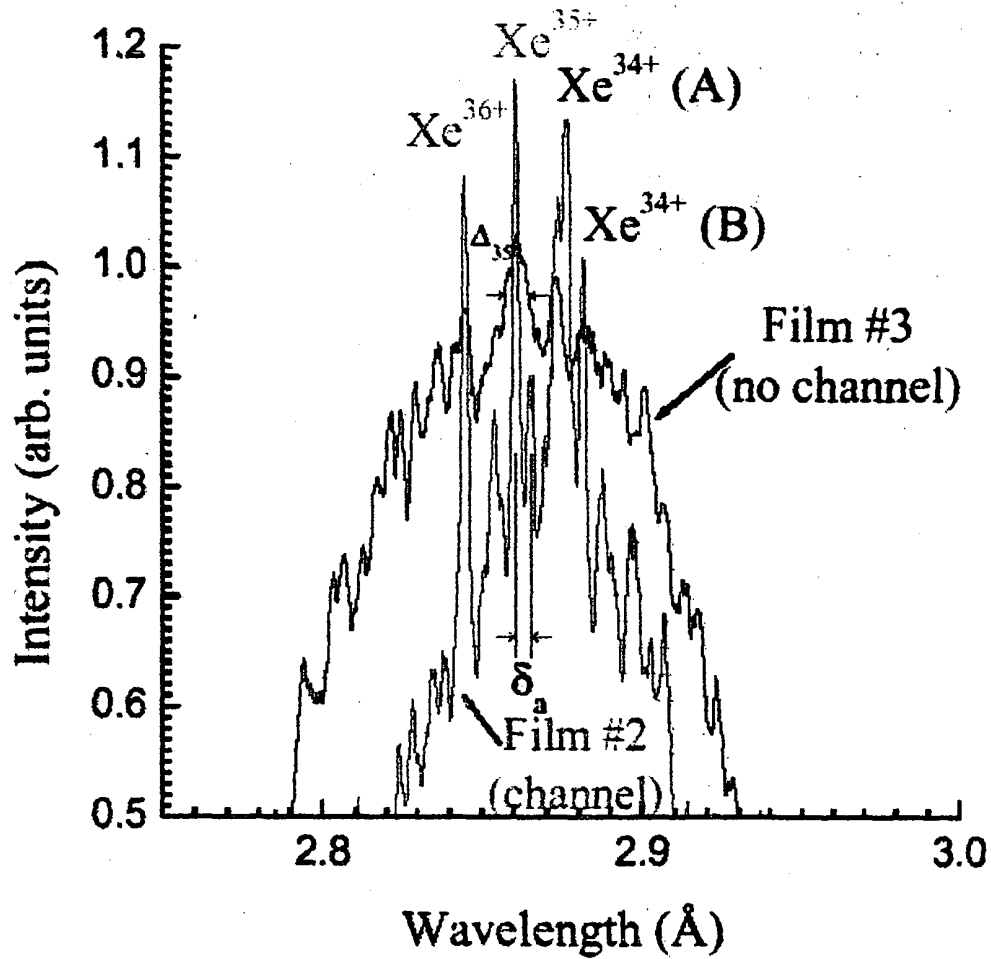


FIG 9B

**FIG 9C**

**FIG 10**

**FIG 11**

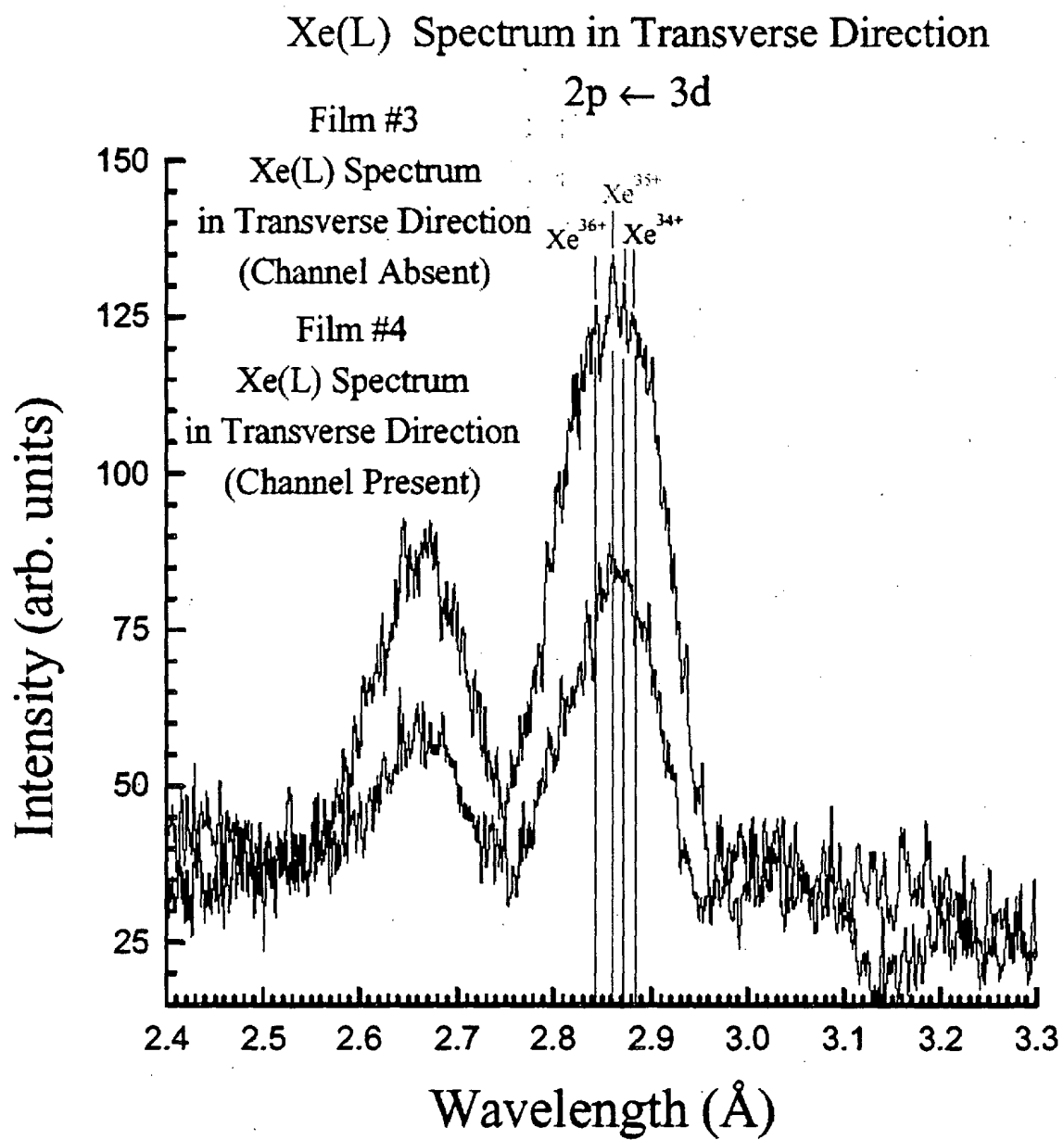


FIG. 12 a

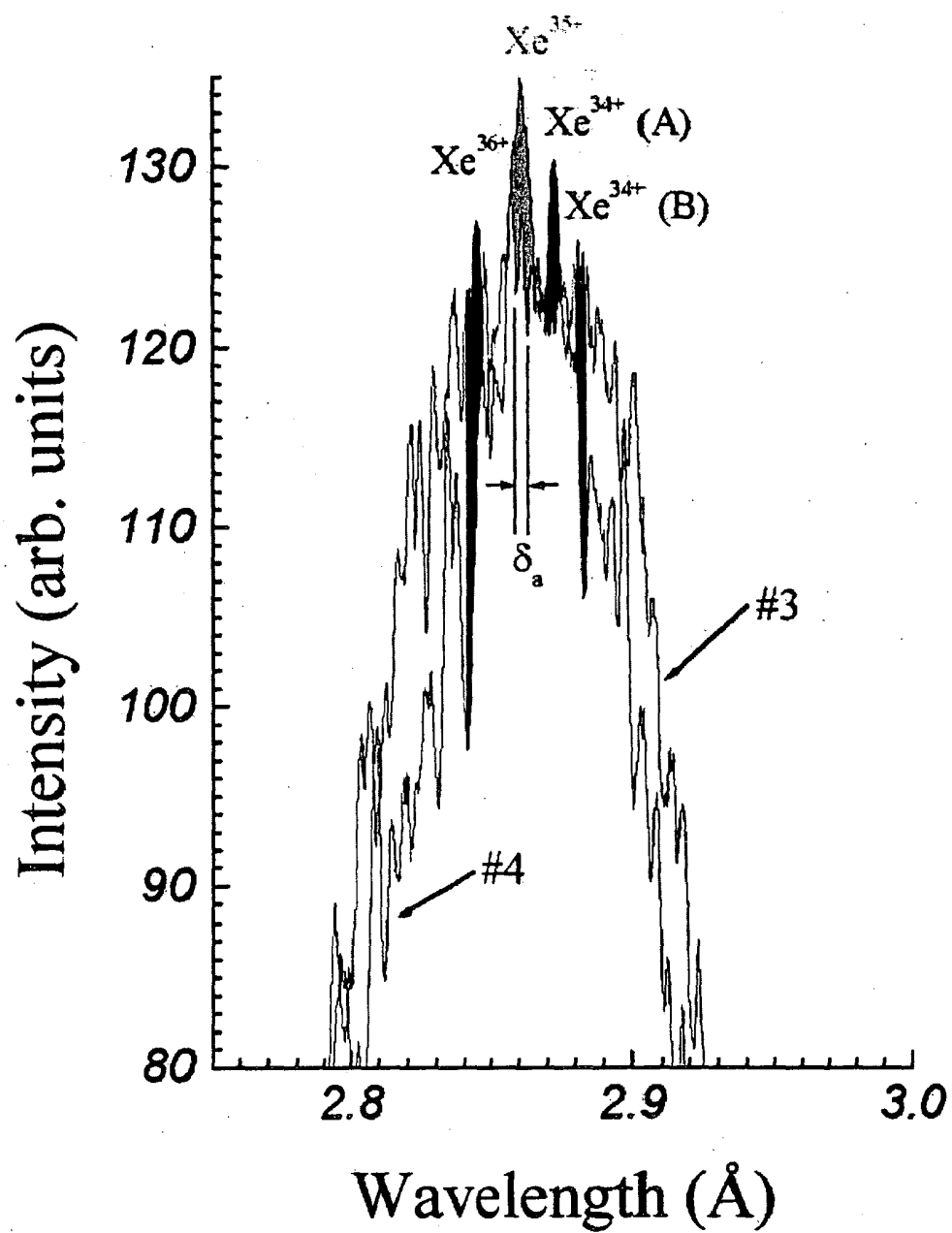
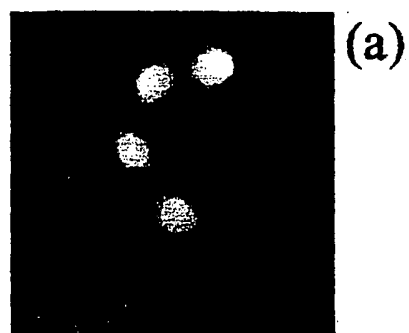
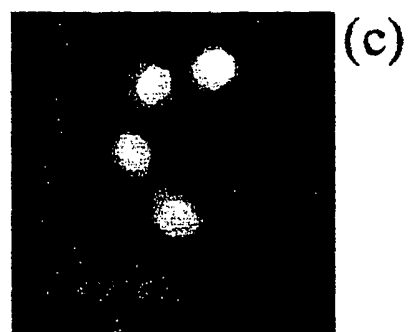
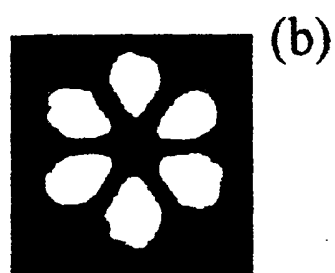


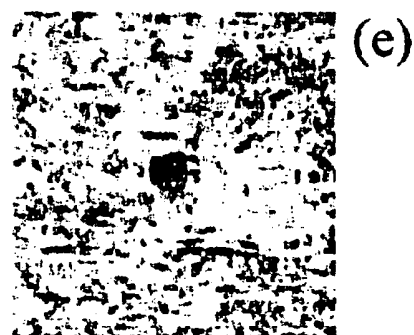
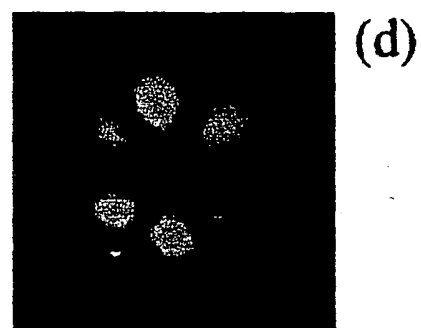
FIG. 12b



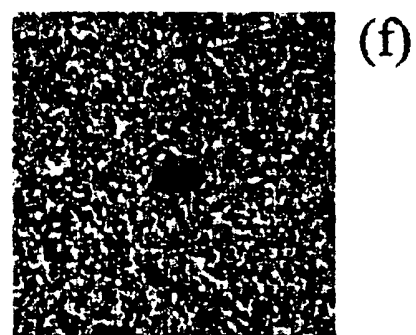
→ | ←
1 μm



→ | ←
1 μm



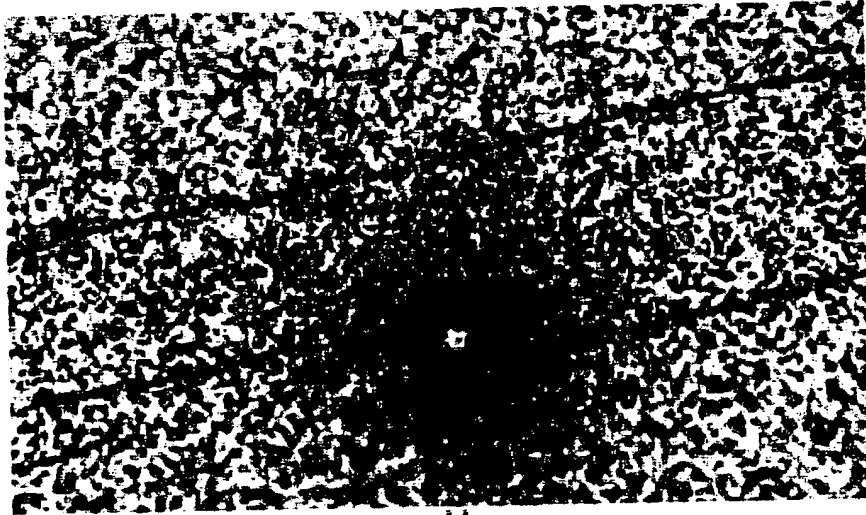
→ | ←
20 μm



→ | ←
20 μm

FIG. 13

$d_1 \cong 60 \mu\text{m}$



$d_2 \cong 5 \mu\text{m}$

FIG. 14